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spray congealing

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### Spray cooling / Spray Congealing

Spray cooling/**spray congealing** cools melt to solidification temperature. Spray drying concept is ideal for making spherical particle powder by congealing ...

[www.niroinc.com/food.../spray\\_cooling\\_congealing.asp](http://www.niroinc.com/food.../spray_cooling_congealing.asp) - Cached - Similar

### Images for spray congealing - Report images



### Development of a spray congealing process for the preparation of ...

by A Maschke - 2007 - Cited by 13 - Related articles

A **spray congealing** process for the preparation of protein-loaded microparticles was developed. The influence of the process parameters atomization pressure ...

[linkinghub.elsevier.com/retrieve/pii/S0939641106002268](http://linkinghub.elsevier.com/retrieve/pii/S0939641106002268) - Similar

### SwRI: Atomization, microencapsulation, nanoencapsulation ...

Related Terminology, microencapsulation, nanoencapsulation, atomization, spinning disk, spray drying, **spray congealing**, spray chilling, controlled release ...

[www.swri.org/d01/microenc/microen/atomization.htm](http://www.swri.org/d01/microenc/microen/atomization.htm) - Cached

### Spray Congealing Information from GEA Niro

**Spray congealing** is an alternative to the classic pharmaceutical production. GEA Niro provides the equipment for the process.

[www.niro.com/niro/cmsdoc.nsf/WebDoc/ndkw62eep](http://www.niro.com/niro/cmsdoc.nsf/WebDoc/ndkw62eep) - Cached

### Rotary spray congealing of a suspension: effect of disk speed and ...

by MB Mackaplow - 2006 - Cited by 5 - Related articles

Microspheres were produced by rotary **spray congealing** molten suspensions composed of poloxamer 188 and a single solid excipient. Six different excipients ...

[www.ncbi.nlm.nih.gov/pubmed/17123923](http://www.ncbi.nlm.nih.gov/pubmed/17123923) - Similar

### Science Links Japan | Optimum Spray Congealing Conditions for ...

by T YAJIMA - 1999 - Cited by 24 - Related articles

**Abstract:**The effects of operating conditions in the **spray-congealing** process on the release and the micromeritic properties of **clarithromycin(CAM) wax ...**

scielinks.jp / ... / Chem Pharm Bull(1999) - Cached - Similar

### Optimization of **Spray-Dried** and **-Congealed** Lipid Micropellets and ...

by T Eldem - 1991 - Cited by 53 - Related articles

drying and **spray-congealing** processes. In this study, formulation ... pellets, formulated **spray-congealed** micropellets possessed smooth surface properties. ...

www.springerlink.com/index/H57W75775Q59K2P1.pdf

### **Spray congealing:** Particle size relationships using a centrifugal ...

by MW Scott - 1964 - Cited by 11 - Related articles

Stearic acid+xythylcellulose mixtures were **spray congealed** using a specially instru- ..... allowed close control of the **spray congealing** process. ...

www3.interscience.wiley.com/journal/113336766/articletext?...

### [PDF] **BSA-loaded solid lipid microparticles prepared by spray congealing ...**

File Format: PDF/Adobe Acrobat - Quick View

by M Di Sabatino - Related articles

such as **Spray Congealing** (SC) and Spray Freeze Drying. (SFD) in the preparation of Solid Lipid Microparticles. (SLMs) containing proteins. ...

www.controlledrelease.org/main/chapters/.../2010SimposioDiSabatino.pdf

### **BUCHI Laboratory Equipment - Spray Chilling**

Mar 11, 2010 ... Spray chilling or **Spray congealing** is a different way of using the Mini Spray Dryer B-290. A melting for example of fatty acids or alcohols, ...

www.mybuchi.com/Spray...Drying...Spray...Chilling.4265.0.html - Cached

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congealing, cooling medium, gel formation

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Later it came to mean "to **congeal**"; having to do with "**congealing**" or with "gelatin ... The **formation** of gelatin, gelatigenous ... A colloid consists of microscopic particles suspended in some sort of liquid **medium**. ... Its distinguishing character is that of dissolving in hot water, and forming a jelly on **cooling**. ...

[wordinfo.info/units/view/890/ip.1/fi:G](http://wordinfo.info/units/view/890/ip.1/fi:G) - [Cached](#)
**An Alternative to Contract Manufacturing**

by J Rakuciewicz - 1988

The dry gelatin powder is a **medium** quality, edible ... the soft **gel formation** process within the GLOBEX MARK I1 encapsulator. ... The coolant oil carries the soft gels through a **cooling** column where they begin to **congeal**. ...

[informahealthcare.com/doi/abs/10.3109/03639048809151977](http://informahealthcare.com/doi/abs/10.3109/03639048809151977)
**ISO 2207:1980 - Petroleum waxes -- Determination of congealing point**

**Media** and price ... allows the determination of the temperature at which a sample being **cooled** develops a set or resistance to flow. At that temperature the product may be at or close to the solid phase. In the case of petrolatums, **congealing** is associated with the **formation of a gel** structure as the sample cools. ...

[www.iso.org/iso/catalogue\\_detail.htm?csnumber=7011](http://www.iso.org/iso/catalogue_detail.htm?csnumber=7011) -
[Cached](#) - [Similar](#)**Patent 6037000 - Patent 6037000**by H Chang - [Related articles](#)

The **cooling** air and the atomizing air are turned on and spray **congealing** the mixture is ... such as shower **gels**, mouthwashes, toothpaste or other denitrifies, ... dye is very hydrophobic and does not readily disperse in a liquid **medium**. ...

[www.pharmcast.com/Patents/.../6037000\\_dye031400.htm](http://www.pharmcast.com/Patents/.../6037000_dye031400.htm) -
[Cached](#) - [Similar](#)**Semi Solid 1 Ppt Presentation**

Sep 18, 2010 ... The mixture is then allowed to **congeal** by **cooling**. ... of **gels** as a result of squeezing out of dispersion **medium** from the **gel** matrix. ...

[www.authorstream.com/Presentation/pcteidf-628121-semi-solid-1/](http://www.authorstream.com/Presentation/pcteidf-628121-semi-solid-1/) -
[Cached](#)**Cooling Processes and Congealing**[Sports](#)[Per:](#)[Pro:](#)[Order](#)[Prev](#)[Fast](#)[www](#)[See y](#)

by R Turton - 2007 - Related articles

For the **formation** of solid dispersions by **congealing** a melt of poorly water-soluble drug ..... **medium**, the molten mass formed spherical particles. The mixture was then quenched by .... copy, and **gel** permeation chromatography. Results ...

[www.informaworld.com/index/758557472.pdf](http://www.informaworld.com/index/758557472.pdf)

### **Congel** Definition. Crossword Dictionary.

Dec 9, 2009 ... The raindrops **congeal** on the windshield in **gel** like veins oozing slowly over ... Wax is poured at **congeal** point, considerably reducing **cooling** times. .... A Work by Immediate **Medium** Directed by JJ Lind Performed at the ...

[worddomination.com/congeal.html](http://worddomination.com/congeal.html) - Cached

### **Aerated confections** - Patent 4120987

by CO Moore - 1978 - Cited by 30 - Related articles

An excess of water adversely results in the formation of large, gritty sugar crystals. .... **medium** and **congeal** upon **cooling** under the recipe conditions herein. ... increases its water-bonding and **gel** **formation** properties, its whipping ...

[www.freepatentsonline.com/4120987.html](http://www.freepatentsonline.com/4120987.html) - Cached - Similar

### **Evaluation of solid lipid microparticles produced by spray ...**

by N Passerini - 2009 - Related articles

**congealing** for topical application of econazole nitrate ... **formation** of a film and subsequently to an occlusion effect.[11] The first model for film **formation** by SLNs on the skin was .... room temperature for 15 min to yield **gels**. A **gel** containing ... receptor **medium**, so that the dermis side touched the surface ...

[www3.interscience.wiley.com/journal/123234226/articletext?](http://www3.interscience.wiley.com/journal/123234226/articletext?DOI=10...)

DOI=10...

### **Pharmaceutical manufacturing handbook: production and processes** - Google Books Result

Shayne C Gad - 2008 - Medical - 1370 pages

The mixture is then allowed to **congeal** by **cooling**. ... aqueous phase and precipitation of water-soluble components and **formation** of stiff and waxy product. ...

[books.google.com/books?isbn=0470259582...](http://books.google.com/books?isbn=0470259582...)

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